

FIG. 1

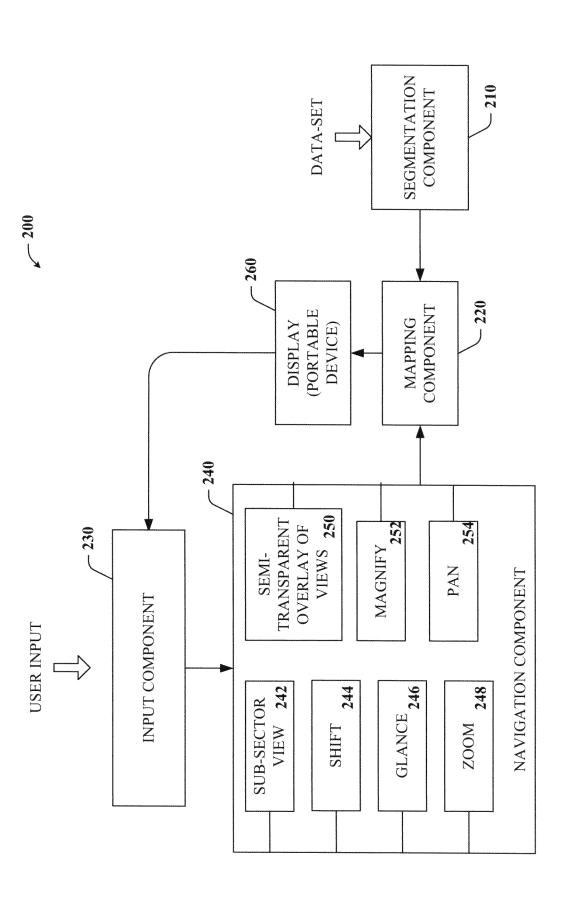
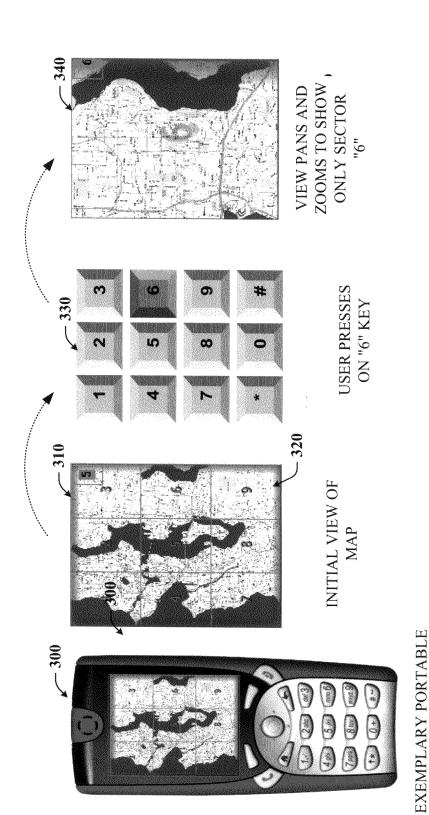
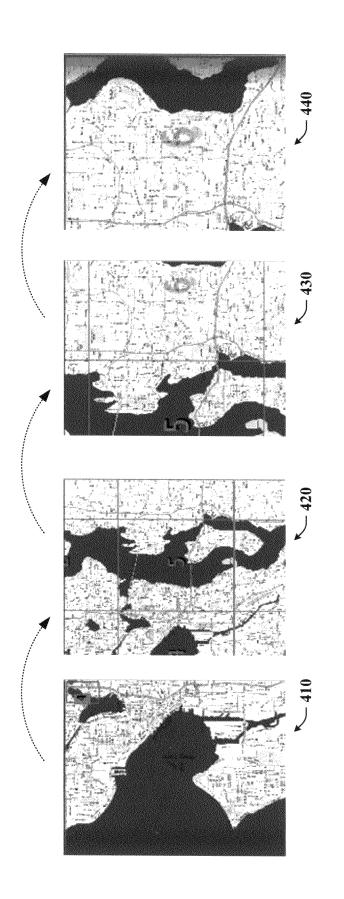


FIG. 2



DEVICE WITH KEYPAD USING SUBJECT NAVIGATION
SYSTEM

FIG. 3



VIEW ZOOMS OUT DURING PAN FROM ONE SIBLING VIEW (SECTOR 4) TO ANOTHER (SECTOR 6)

FIG. 4

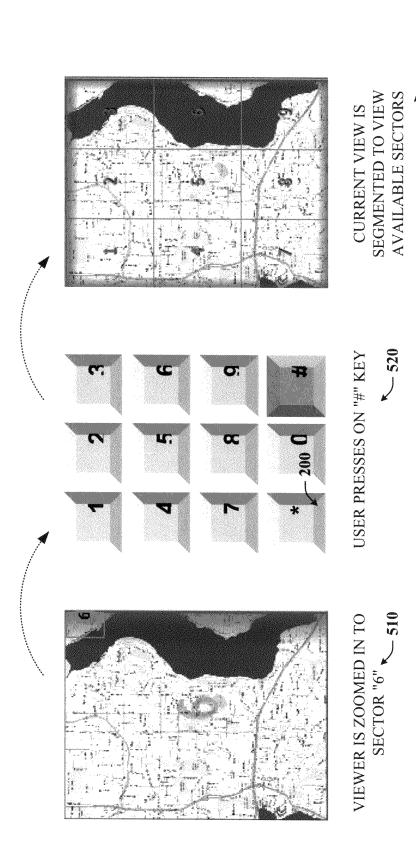
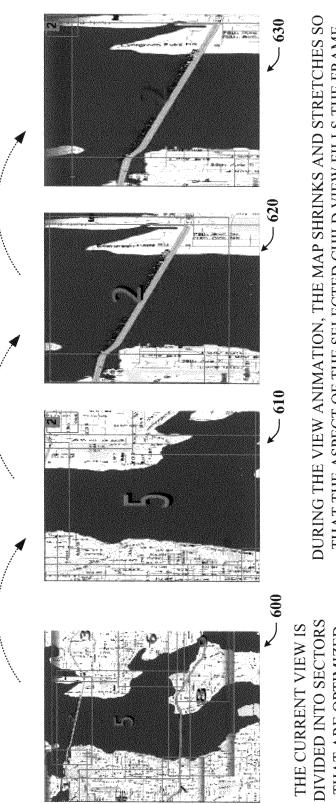


FIG. S



THAT ARE OPTIMIZED

DURING THE VIEW ANIMATION, THE MAP SHRINKS AND STRETCHES SO THAT THE ASPECT OF THE SELECTED CHILD VIEW FILLS THE FRAME

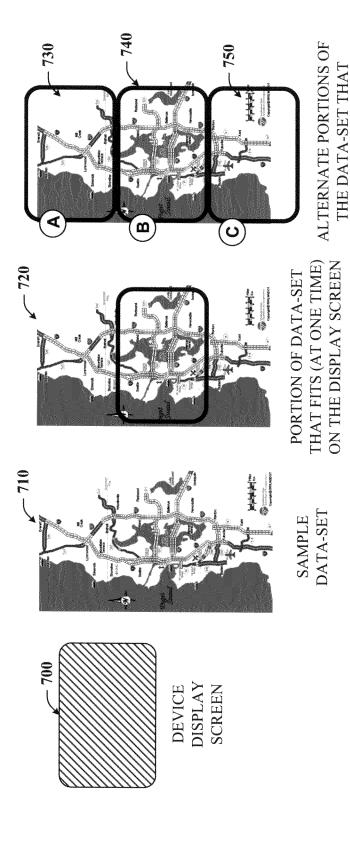
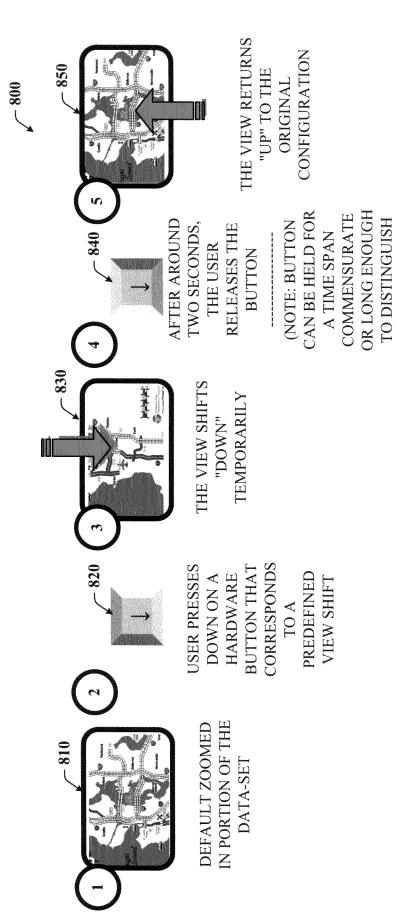


FIG. 7

CAN BE AVAILABLE FOR

VIEWING

SEQUENCE OF EVENTS THAT HAPPEN WHEN USER PRESSES-AND-HOLDS A BUTTON THAT IS ASSIGNED TO A PARTICULAR VIEW



BETWEEN A USER

HOLDING-AND-

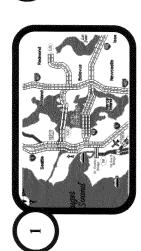
RELEASING A

BUTTON)

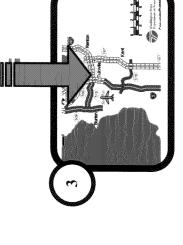
BUTTON AND

TAPPING A

SEQUENCE OF EVENTS THAT HAPPEN WHEN USER TAPS A BUTTON THAT IS ASSIGNED TO A PARTICULAR VIEW





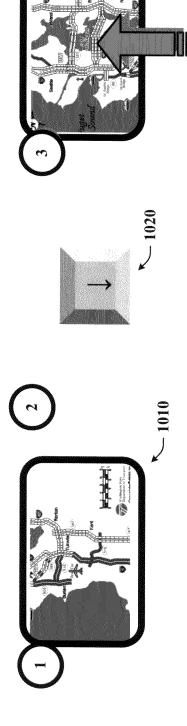


DEFAULT ZOOMED IN PORTION OF THE DATA-SET

USER TAPS (QUICKLY PRESSES AND RELEASES) A HARDWARE BUTTON THAT CORRESPONDS TO A PRE-DEFINED VIEW

THE VIEW SHIFTS "DOWN" TO THE NEW CONFIGURATION

SEQUENCE OF EVENTS THAT HAPPEN WHEN USER TAPS A BUTTON AFTER VIEW HAS ALREADY SHIFTED -TO TOGGLE THE VIEW

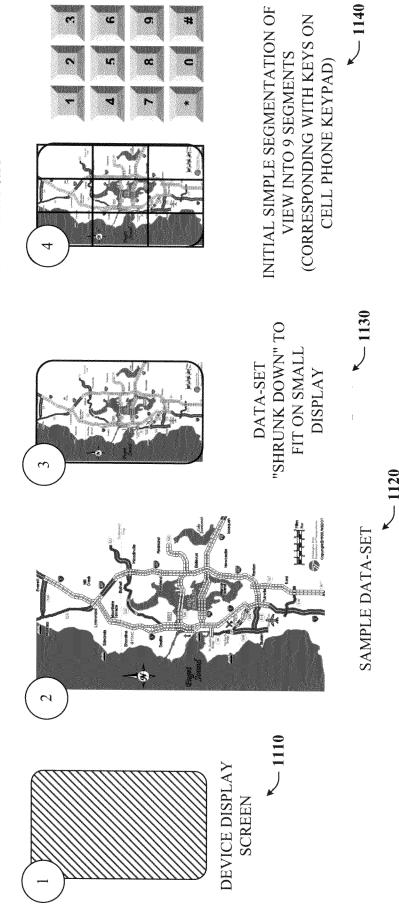


THE VIEW IS ALREADY SHIFTED AWAY FROM AN ORIGINAL FOCUS OF INTEREST

USER TAPS (QUICKLY
PRESSES AND RELEASES) A
HARDWARE BUTTON THAT
CORRESPONDS TO A PREDEFINED VIEW

THE VIEW SHIFTS BACK "UP" TO THE ORIGINAL FOCUS OF INTEREST

SIMPLE SEGMENTATION OF THE MOST ZOOMED OUT VIEW OF A DATA-SET

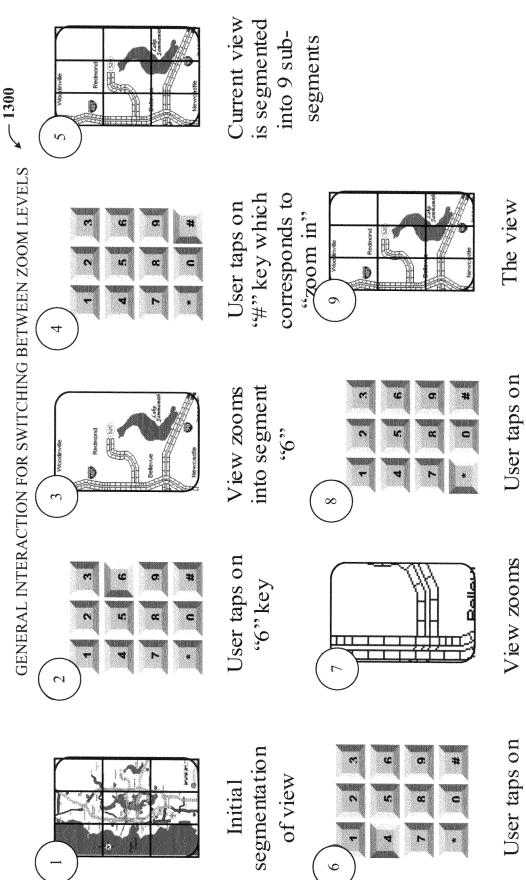


ELG. I

FIG. 12

LEVEL BUT SHIFTS TO SHOW SEGMENT "4"

FIG. 13



zooms back The view

"*" key which

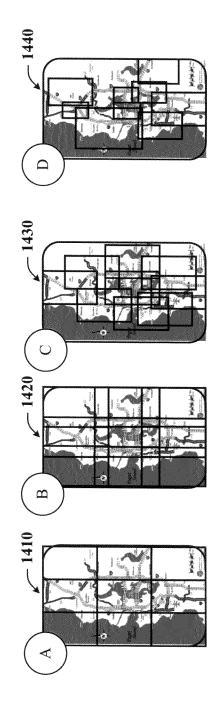
into new subsegment "4"

"4" key

is mapped to "zoom-out"

out one level

DIFFERENT TYPES OF SEGMENTATION

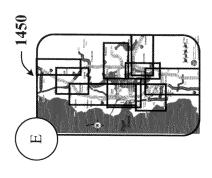


EQUAL AREA, EQUAL AREA OVERLAPPING POSITIONED TO SEGMENTATION CORRESPOND (ADJOINING AREAS WITH HIGHEST HAVE OVERLAP DENSITY AREAS WHEN ZOOMED IN) OF DATA-SET

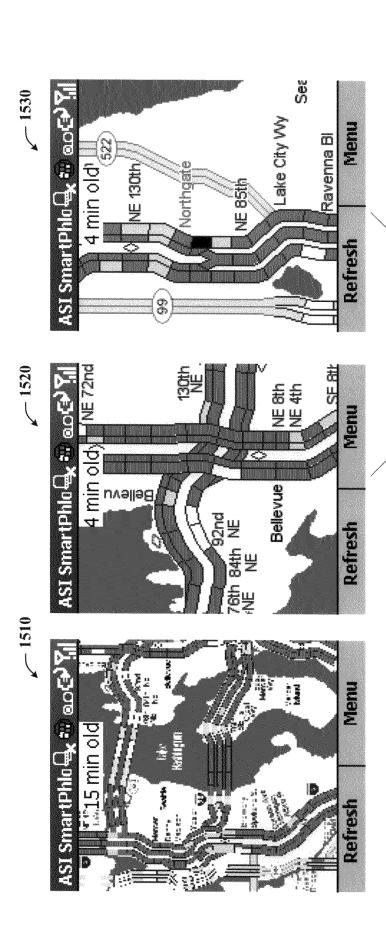
OVERLAPPING SEGMENTATION

EQUAL AREA, NON-

NON-EQUAL AREA,
POSITIONED AND
SIZED TO MORE
CLOSELY
CORRESPOND WITH
HIGHEST DENSITY
AREAS OF DATA-SET



NON-EQUAL AREA,
AND ARBITRARY
ASPECT RATIO
REGIONS THAT
ADAPT TO
UNDERLYING DATA
AND USAGE



TWO DIFFERENT VIEW SECTORS (AT THE SAME ZOOM LEVEL)

ZOOMED OUT VIEW OF THE

TRAFFIC MAP

FIG. 15

FIG. 17

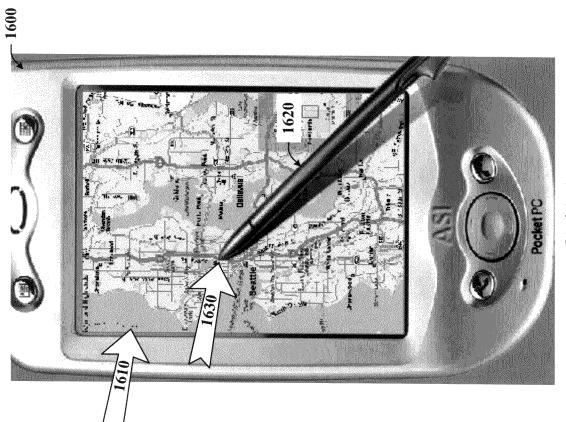
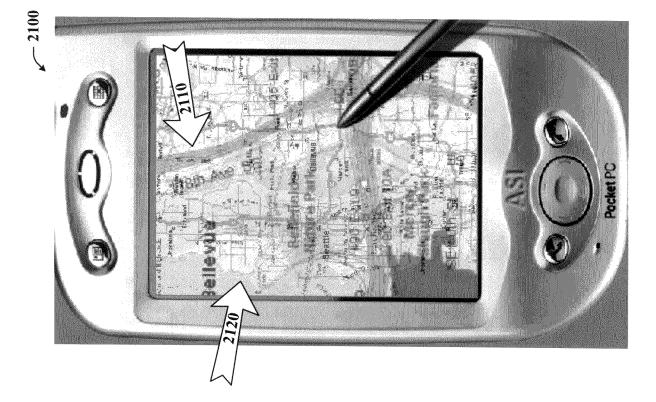


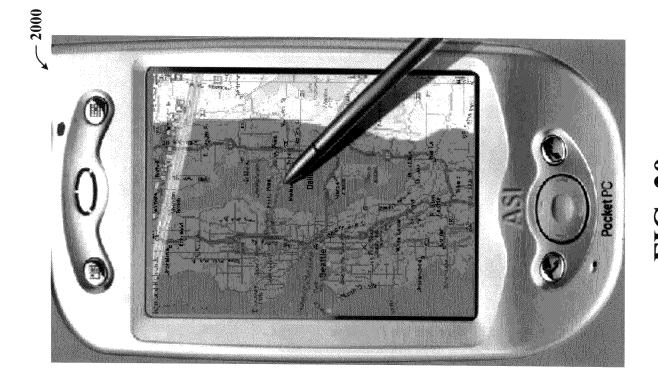
FIG. 116

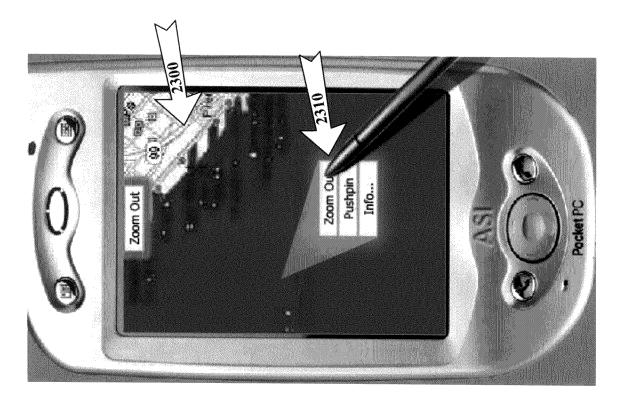
ित्र येक्ट्राल TOWN ROOMS

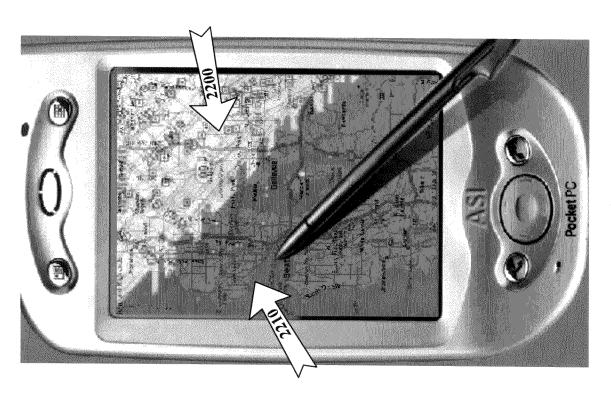
1900

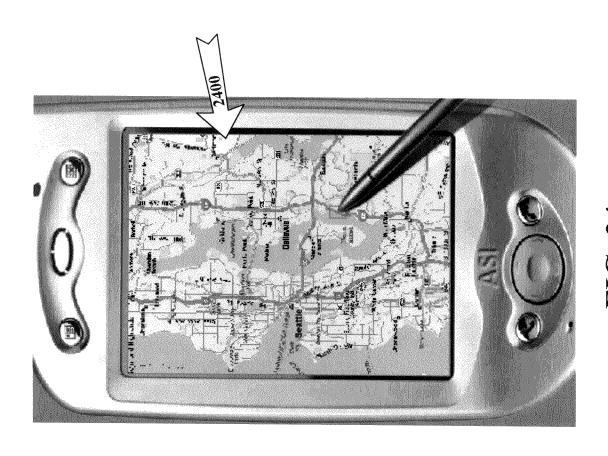
1800

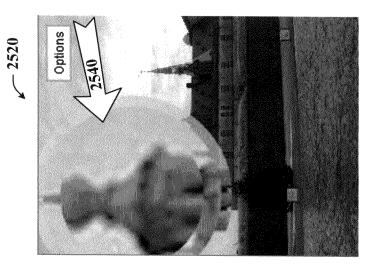


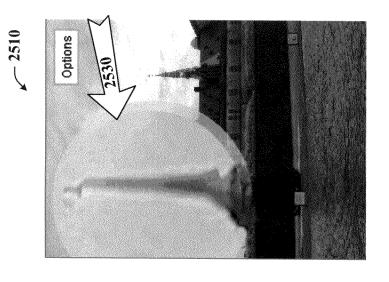


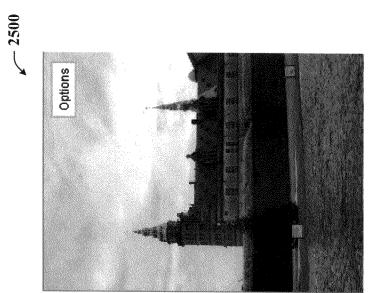










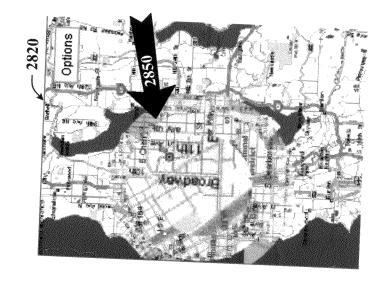


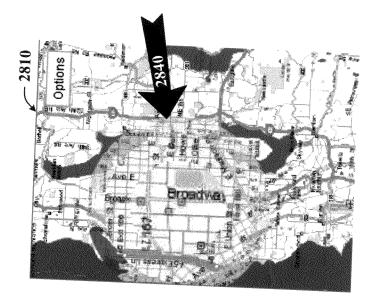
7	us.	III	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	X Abde 25
Ŧ	Options	8 80 83	Device op Trechteral Cal Harval decembers The care as The First Harval Mark of all Michigan Michigan The mark the Present of Semilitari	* * * * * * * * * * * * * * * * * * *	Services of the services of th	A Dig
4	Pro-1813	T. Line	Pickers (# 15 E
their			20 20 20 20 20 20 20 20 20 20 20 20 20 2	(4)	1986	f= ("2")
4	8 2	+ 1			1 10	
jag.	2 4 4	18 A	Personal Per		St. Prec. 7	S. C. S. Market
1	7 7	Control of the contro	11/2/2011 12/2/2012 12/2/2012 13/2/2	Versent III Scrate 12 September 2 September 3 September 3	1 × × × × × × × × × × × × × × × × × × ×	
	Cales of Chicago	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		01	S AND SAND	71

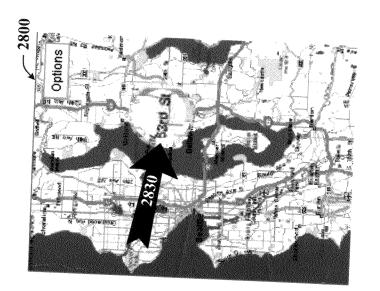
Description of the control of the co	Perc Per				78			de50870.33						t subse	A.	16			ρ.		Y		7	1	٠	Supply of the su	-8
The state of the s	The state of the s	£	ptio		38		1					-			á			*		7	V	Á				ı	
The response of the response o	The response of the response o	£	-		U			Ca 188	ALL TO RES	See Pose			50		0			5									
The response of the response o	The response of the response o	82	M Sec. of		**		ľ	FIX NESS	P. C. Pepe 18		Smireto. è	*	7	The second second			C				1						
The response of the response o	The response of the response o			10.00			4	Danker Cop	The same way.	PER STORY	Files Ave Mil			TO THE PERSON NAMED IN	T		Q.	*1	i.		***************************************			t			
The control of the co	The control of the co	\$30	A MARIA		7.86	testion:	1	90 G	1.60	Fwt 1/450	SEMEC A	\$	ដ	N. Persy	Update: F.	(todate: 3	131.	Annual Control	Ž	jor e	es -	Š	6			Contract contracts	ikki.
(day 24 mm) (day 2	2620 10 (10 (20 (20 (20 (20 (20 (20 (20 (20 (20 (2	100	# # # # # # #		CETAN	Septiment and	*	14.5	11,4720.00	M. ARREST	Do makes			Secretary Ba	S. 25. 18	Topo or in	5000			**	Ce. codes 38			Ю	part side party	然者以	Our names
		1,41	Street of			10 Mg - 60							10	. O. W. T.	-	********		7620			H		borease-Josef	77			*********

		1.54	and side				~~~						-	***********************								
	28	(O			0.0				S. A. S. A. S. C.	Talking and Sec. 45. So.			\$1						7	Support as	design to	
- 2710		<u>0</u>	1		- 8 ∞ 730	1 19	o.		25 40 ag	. Mil			SI		to				li Ric	18		
ï	Ē	Options			ž	3	1000 H		4	(S)	-		ľ	iqui,	ner har			ľ	1	a Publica .		
×				1	<u></u>	1.3				- 1	8		22	書	<u>6</u>	供	-%	П	83 X	e d	กกร	1
	F	Charles of the State of State of Policies	HALLES OF THE CO.		P	17 5 - 4P.			J		CONTRACTOR AND SECTION	1	and .		Stunents american	Zi - testa	Against 1.4	Ϊ	4	A 100 M	1 2 3 10 E. W.	
		N 4	-		awayaa,				l		orași.				*	X.1	KE.	+	a [********	1
	W.	Ě		1		No.						3000	E _{max}		****			1		Andreas of the state of the state of		
	itis.	R F	â		1	Verify:			I									1	8		2 2	ğ
	_	ä	1			b			ı			Ĭ	1	1	-	44.0			1	7	1	Str truck
	1	A 31			000	•							3		250				KG T		Control (material)	
	Γ	8	ł		4	•			ı		٠		30		28° 100.0			4	75	5	8	
	Š.	(1 000 - 27	1				Ż		١					South Bush	Section 11:				r-a			
	L_	* [R]					K.	-				<u> </u>		8	2	******	· ·	_		Maria	- Andrews	***************************************
12760		9							4) Approx.		-				· ·				×			
2700					2000	**************************************			A production	A COLOR OF THE PROPERTY OF THE	line .		SI SI		to 1					100		
2700	ī	Options							*	Chambian Back France	**************************************		and the second s	The states	dimension of				8	The state of the s		
2700		Options	Indiana.		2	NX 数件 10 Na 4 4 5 2	Outst Named To		At Designation of the Control of the	Charles Sec. F. Das	· 1000 0000		and the second s	17.4. Kg. 18. 14. 14.	White recedibles districted from the	(大学・大学)	対は対象のできる		R	a policies o		
2700	Ξ	Options	Indiana (Indiana (Ind		- Contraction	la ces es	The stock of the s	The control of the co	No Est				EJ EJ	formor		高大なかった はま	* 1. 単語問題		8 I	A 200 M	The August	
2700	(4) Fe	Options	A THE SECRET SECRET SECRETARY		25) (344)	Targette Co.		The second secon	No E				EJ EJ	formor		(高質ない・形式)	幸 1.1 単編門別位		8 I	A 200 M	The August	Professional Community Com
2700			And the state of t		- Contraction	Taresta est			No Est		7	5	EJ EJ	NEW CONTRACTOR	Michael der contest intellectiff Philadesi Statemente deneriorit	***********	※ 11.以演習的で			A 200 M	The August	Professional Community Com

FIG. 27







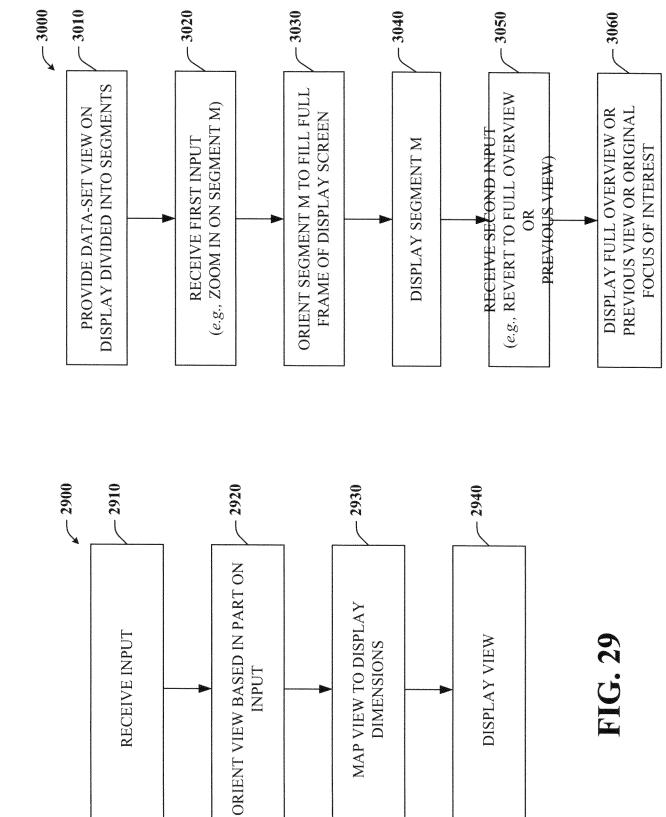


FIG. 30

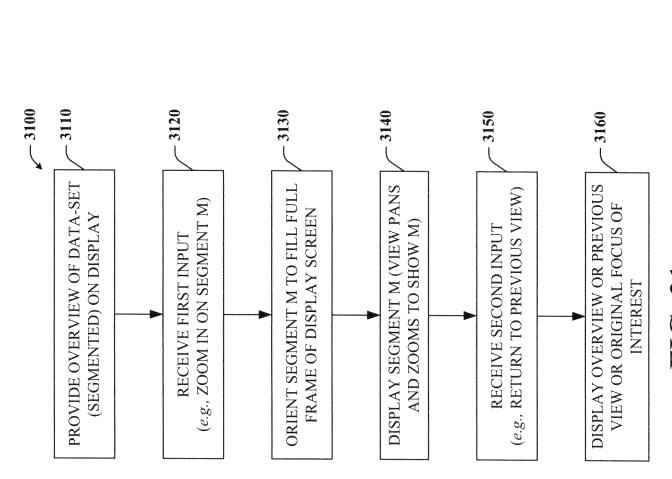


FIG. 3

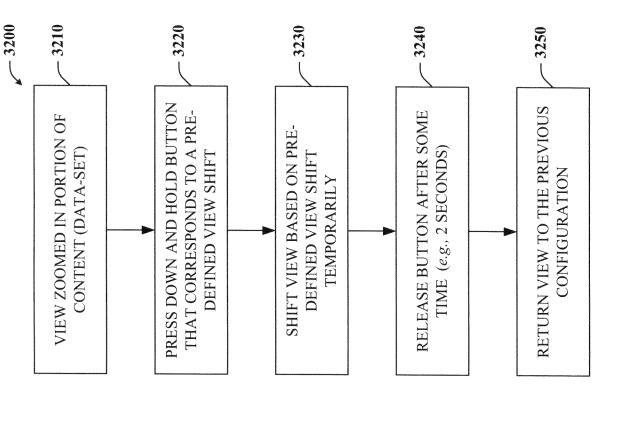
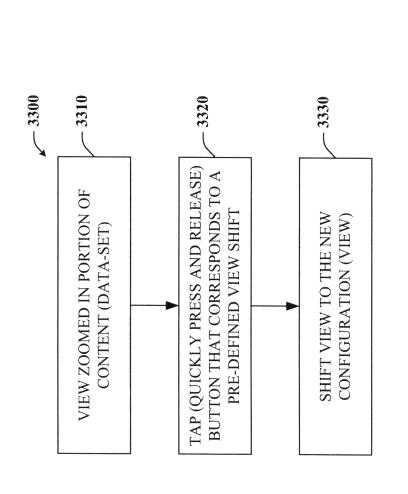


FIG. 32



EG. 33

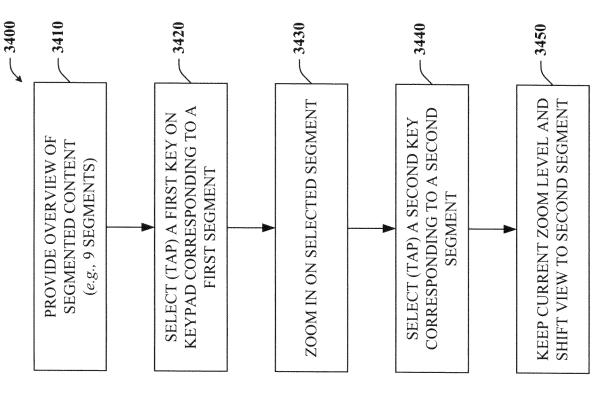


FIG. 34

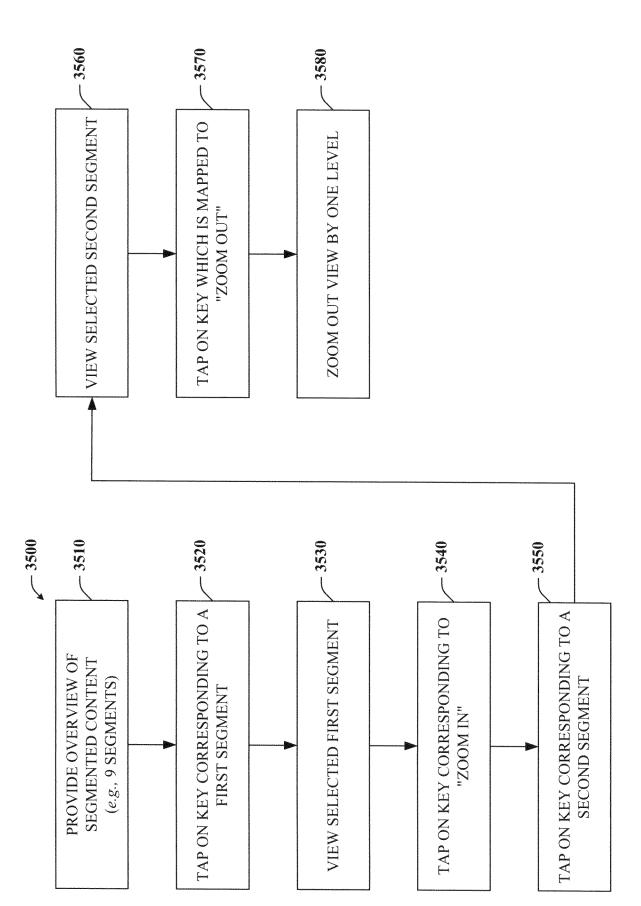


FIG. 35

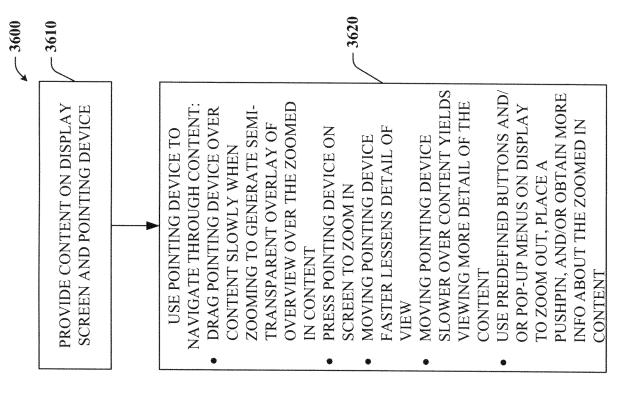


FIG. 36

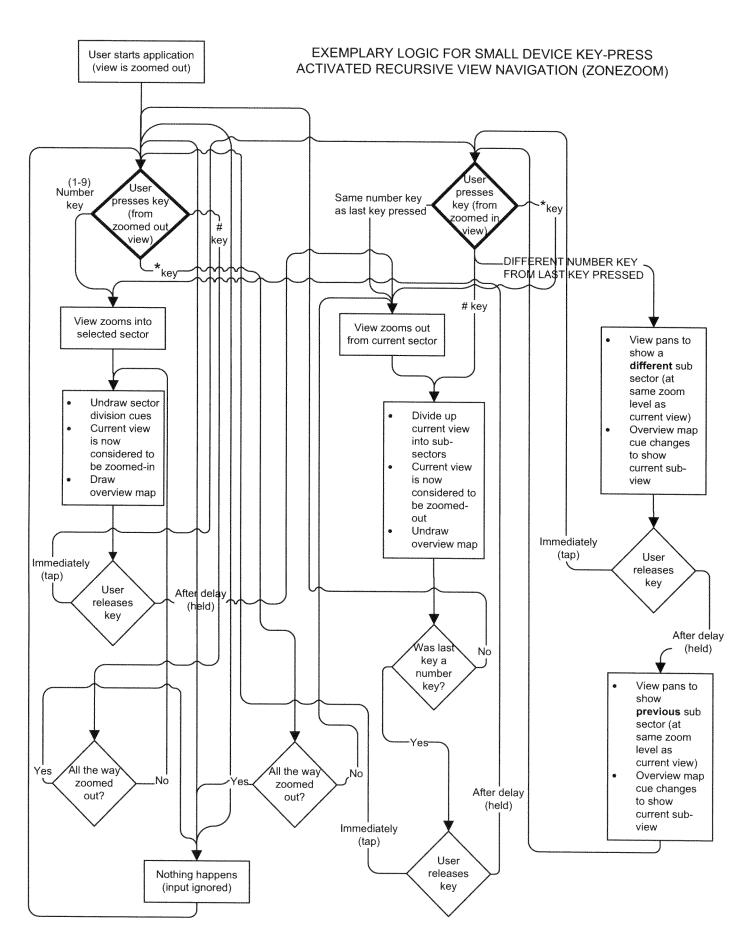


FIG. 37

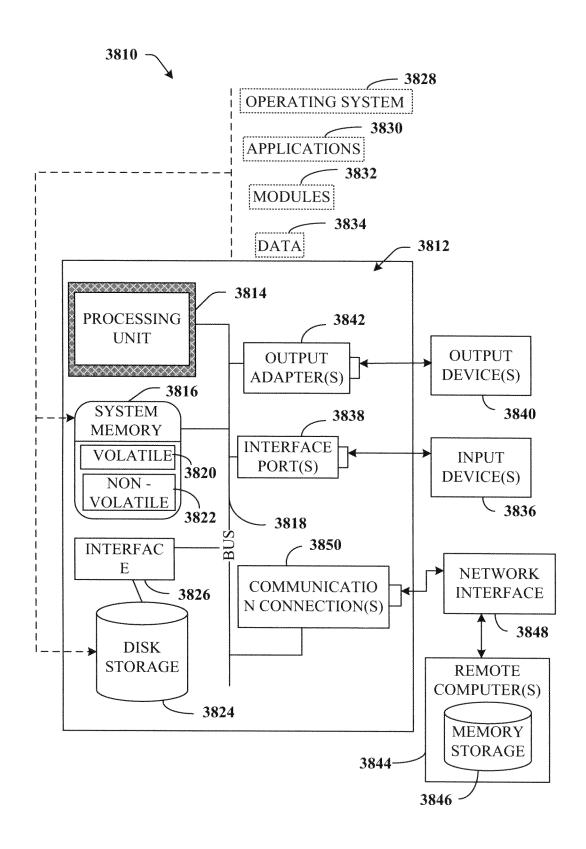


FIG. 38